

ABSTRACT OF THE DISCLOSURE

With time intervals and transmission times of packets of real time streams, transmission end times thereof are calculated. The transmission order of packets of the real time streams is decided in the order of the earlier transmission end times thereof. Transmission end times of packets of a non-real time stream are compared with the scheduling times of packets of the plurality of real time streams. When the transmission end times of packets of the non-real time stream are earlier than any one of the scheduling times of packets of the plurality of real time streams, the packets of the non-real time streams are transmitted.